

## **Collaborative Workshop on Aquatic Models and 21st Century Toxicology**

### **Leveraging Small Aquarium Fishes to Advance Understanding of Environmentally Influenced Human Disorders and Diseases**

#### **Draft Workshop Agenda**

#### **May 5, 2014 (8:00 am–5:00 pm)**

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|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 7:30–8:00 | Registration                                                                                                                                                                                                                                                      |
| 8:00–8:10 | Welcome<br><br>Daniel Solomon, Ph.D.<br>Dean, College of Sciences<br>North Carolina State University<br>Raleigh, NC                                                                                                                                               |
| 8:10–8:15 | Welcome<br><br>Warren Casey, PhD, DABT<br>National Toxicology Program (NTP) Interagency Center for the Evaluation of Alternative<br>Toxicological Methods (NICEATM)<br>National Institute of Environmental Health Sciences (NIEHS),<br>Research Triangle Park, NC |
| 8:15–8:30 | Workshop Overview<br><br>Antonio Planchart, PhD<br>Assistant Professor<br>Department of Biology<br>North Carolina State University<br>Raleigh, NC                                                                                                                 |

#### **OPENING SESSION (8:30–9:45am)**

- |           |                                                                             |
|-----------|-----------------------------------------------------------------------------|
| 8:30–8:35 | Introduction to Opening Session                                             |
| 8:35–9:00 | Dan Villeneuve—Aquatic Models in Regulatory Testing for EPA                 |
| 9:00–9:25 | Jyotshnabala Kanungo—Using Aquatic Vertebrate Models at FDA                 |
| 9:25–9:50 | Matthew Winter—European Perspective on the Use of Aquatic Vertebrate Models |

9:50–10:05      **Break**

**SESSION 1 — Cardiovascular Toxicology (10:05am-12:10pm)**

10:05-10:10      Introduction to Session 1  
10:10-10:40      Maria Bondesson—University of Houston  
10:40-11:10      Warren Heideman—University of Wisconsin  
11:10-11:40      Dave Volz—University of South Carolina  
11:40-12:10      Ken Poss—Duke University

12:10–1:20      **LUNCH**

**SESSION 2 — Developmental and Reproductive Toxicology (1:20-2:55pm)**

1:20-1:25      Introduction to Session 2  
1:25-1:55      Shawn Burgess—NIH  
1:55-2:25      Mark Hahn—Woods Hole Oceanographic Institution  
2:25-2:55      Nancy Denslow—University of Florida  
2:55-3:15      **Break**

**SESSION 3 — Emerging Technologies (3:15-5:20pm)**

3:15-3:20      Introduction to Session 3  
3:20-3:50      Keith Cheng—Penn State Hershey Pathology and Laboratory Medicine  
3:50-4:20      Matthew Harris—Children’s Hospital Boston  
4:20-4:50      David Reif—North Carolina State University  
4:50-5:20      Rodolphe Barrangou—North Carolina State University

**5:20-5:30      Day 1 Wrap Up**

**Sponsor Hosted Reception and Poster Session (6:30-8:30pm)**

**May 6, 2014 (8:00 am–4:15 pm)**

**SESSION 4 —Models of Neurobehavior and Neurotoxicology (8:00-10:55am)**

8:00-8:05      Introduction to Session 4  
8:05-8:35      Michael Carvan—University of Wisconsin  
8:35-9:05      Marc Ekker—University of Ottawa  
9:05-9:35      Stephanie Padilla—US Environmental Protection Agency

9:35-9:55      **Break**

9:55-10:25     Andrew Rennekamp—Massachusetts General Hospital

10:25-10:55    Jeff Bronstein—University of California, Los Angeles

**SESSION 5 — Predicting Alterations to the Immune System (10:55am-12:00pm)**

10:55-11:00    Introduction to Session 5

11:00-11:30    Carol Kim—University of Maine

11:30-12:00    Jeff Yoder—North Carolina State University

12:00-1:05     **LUNCH**

**SESSION 6 — Emerging Issues (1:05-3:10pm)**

1:05-1:10      Introduction to Session 6

1:10-1:40      Robert Tanguay—Oregon State University

1:40-2:10      Jared Goldstone—Woods Hole Oceanographic Institution

2:10-2:40      John Rawls—Duke University

2:40-3:10      John Colbourne—The University of Birmingham

3:10-3:30      **Break**

**Workshop Summary Discussion and Closing Remarks (3:30 – 5:00pm)**